

1.Component NAVY	FY 2005 MILITARY CONSTRUCTION PROGRAM			2.Date 13 JAN 2004
3. Installation and Location/UIC: M00681 MARINE CORPS BASE CAMP PENDLETON, CALIFORNIA			4. Project Title CLOSE COMBAT BATTLE COURSE	
5.Program Element 0206496M	6.Category Code 17940	7. Project Number P613	8. Project Cost (\$000) 6,940	
9. COST ESTIMATES				
Item	UM	Quantity	Unit Cost	Cost(\$000)
CLOSE COMBAT BATTLE COURSE (7,739 SF)	m2	719		2120
BATTERY STORAGE/CHARGING (969 SF)	m2	90	1,097.00	(100)
AMMUNITION BREAKDOWN BUILDING (592 SF)	m2	55	1,097.00	(60)
RANGE CONTROL TOWER (258 SF)	m2	24	4,886.00	(120)
URBAN DEFENSE BUILDING (5,920 SF)	m2	550	1,097.00	(600)
BUILT-IN EQUIPMENT	LS			(10)
TECHNICAL OPERATING MANUALS	LS			(20)
SPECIAL COSTS	LS			(1210)
SUPPORTING FACILITIES				3900
SPECIAL CONSTRUCTION FEATURES	LS			(80)
ELECTRICAL UTILITIES	LS			(380)
ENVIRONMENTAL MITIGATION	LS			(980)
OUTSIDE COMMUNICATIONS (TELEPHONE)	LS			(30)
SITE IMPROVEMENTS	LS			(2430)
SUBTOTAL				6020
CONTINGENCY (5%)				300
TOTAL CONTRACT COST				6320
SIOH (6%)				380
SUBTOTAL				6700
DESIGN/BUILD - DESIGN COST				240
TOTAL REQUEST ROUNDED				6940
TOTAL REQUEST				6940
10. Description of Proposed Construction				
<p>Construct a Close Combat Battle Course to support small arms training requirements. Construction includes an urban defense building, control tower, battery storage and charging facility, and ammunition breakdown building with lightning protection. Built-in equipment includes a public address system. Special costs include 65 battery operated stationary targets, 10 moving infantry targets, a rubble zone training area, hostile fire emplacements, a covered mess, bleacher enclosure, concrete pad for portable toilets, and safety berms including wooden separation wall. Special construction features include a pre-engineered steel California Transportation 25-ton bridge to replace the existing 15-ton bridge. Sustainable principles will be included into the design, development, and construction of the project in accordance with Executive Order 13123 and other laws and executive orders. Electrical systems include underground electrical wiring for moving targets, public address system, and telephone. Site preparation includes reinforced concrete bulkhead with tiebacks, precast crib wall system, drainage ditches, culverts, collection basins, dissipaters, outfall structures, boulder removal, and rip rap protection. Paving and site improvements include paved access roads and parking area, curbs, gutters, sidewalks, storm water management, security fence, night training lights,</p>				

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range limit lights, thermal markers, and signs. Project will be designed to accommodate the future procurement of the Remote Engagement Targeting System (RETS). Project also includes technical operating manuals and environmental mitigation.				
<b>11. Requirement:</b> <u>719m2</u> <b>Adequate:</b> <u>0m2</u> <b>Substandard:</b> <u>0m2</u> <b>PROJECT:</b> Construct a Close Combat Battle Course Range. <b>(Current Mission)</b>  <b>REQUIREMENT:</b> A Close Combat Battle Course will fill a requirement for a close combat range aboard Camp Pendleton. Currently, the only dedicated live fire and maneuver battle course ranges aboard the Base are the Military Operations in Urban Training (MOUT) Assault Courses (MACs) located near the MOUT Facility. The dynamic training opportunities offered by a Close Combat Battle Course will enhance the proficiency and combat-readiness of those Marines whose Table of Organization (T/O) weapon is the M-9 pistol and M-16 rifle, the range will also support other small arms training.  The range is required to provide instructional training, and 9-M pistol and M-16 rifle training. The project will provide a state-of-the-art range facility designed to support conditions, tasks, and standards that accommodate training requirements of the Marine Corps. The Close Combat Battle Course will allow for offensive and defensive live fire and movement. The facility will be utilized daily by the Fleet Marine Force (FMF), formal schools, Base, the United States Marine Corps Reserve (USMCR) and other services (approximately 15,000 personnel annually).  <b>CURRENT SITUATION:</b> The only live fire and maneuver ranges in a MOUT environment at Camp Pendleton are the MOUT Assault Courses at Range 131. These facilities allow Marines to assault only one building at a time. The ability to live fire and maneuver through multiple buildings at the same time does not exist at Camp Pendleton.  <b>IMPACT IF NOT PROVIDED:</b> Marine Corps Base Camp Pendleton units will continue to train on the inadequate local ranges, which will erode their live fire proficiency and ultimately affect their readiness to perform effectively in combat.				
<b>12. Supplemental Data:</b> A. Estimated Design Data: 1. Status:				

